

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/974,870A
Source: 1656
Date Processed by STIC: 4/24/02

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MAY 01 2002

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER** **VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

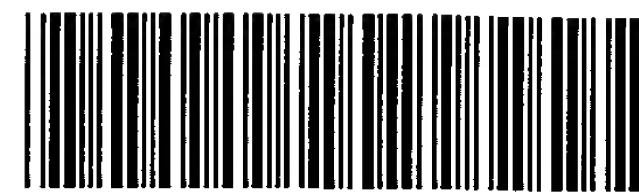
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

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1656

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/974,870A

DATE: 04/24/2002

TIME: 14:16:08

Error on p. 3

Input Set : A:\1991-211.txt

Output Set: N:\CRF3\04242002\I974870A.raw

3 <110> APPLICANT: Whitcombe, David
 4 Theaker, Jane
 5 Gibson, Neil
 6 Little, Stephen
 8 <120> TITLE OF INVENTION: Methods and Primers for Detecting Target Nucleic Acid Sequences

10 <130> FILE REFERENCE: 1991-211
 12 <140> CURRENT APPLICATION NUMBER: US 09/974,870A
 13 <141> CURRENT FILING DATE: 2001-10-12
 15 <150> PRIOR APPLICATION NUMBER: US 09/200,232
 16 <151> PRIOR FILING DATE: 1998-11-25
 18 <150> PRIOR APPLICATION NUMBER: UK 9812768.1
 19 <151> PRIOR FILING DATE: 1998-06-13
 21 <160> NUMBER OF SEQ ID NOS: 9
 23 <170> SOFTWARE: PatentIn version 3.0
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 30
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Artificial Sequence
 30 <220> FEATURE:
 31 <221> NAME/KEY: misc_feature
 32 <222> LOCATION: ()..()
 33 <223> OTHER INFORMATION: B2098-BRCA Scorpion Primer
 36 <220> FEATURE:
 37 <221> NAME/KEY: stem_loop
 38 <222> LOCATION: (1)..(29)
 40 <220> FEATURE:
 41 <221> NAME/KEY: misc_feature
 42 <222> LOCATION: (30)..(30)
 43 <223> OTHER INFORMATION: n = deoxyribouridine w/ fluorophore and replication blocker
 46 <400> SEQUENCE: 1

W--> 47 **cgacgatgt agcacatcag aagcgtgcgn** 30
 50 <210> SEQ ID NO: 2
 51 <211> LENGTH: 29
 52 <212> TYPE: DNA
 53 <213> ORGANISM: Artificial Sequence
 55 <220> FEATURE:
 56 <221> NAME/KEY: misc_feature
 57 <222> LOCATION: ()..()
 58 <223> OTHER INFORMATION: R186-98, untailed equivalent of B2098 primer
 61 <400> SEQUENCE: 2
 62 **ttggagattt tgcacttcc actctcaaa** 29
 65 <210> SEQ ID NO: 3
 66 <211> LENGTH: 30

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/974,870A

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Input Set : A:\1991-211.txt

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MAY 01 2002
TECH CENTER 1600/2900

67 <212> TYPE: DNA
68 <213> ORGANISM: Artificial Sequence
70 <220> FEATURE:
71 <221> NAME/KEY: misc_feature
72 <222> LOCATION: ()..()
73 <223> OTHER INFORMATION: Z3702, probe segment of B2098 primer
76 <220> FEATURE:
77 <221> NAME/KEY: stem_loop
78 <222> LOCATION: (1)..(29)
80 <220> FEATURE:
81 <221> NAME/KEY: misc_feature
82 <222> LOCATION: (1)..(1)
83 <223> OTHER INFORMATION: fluorescein dye
86 <220> FEATURE:
87 <221> NAME/KEY: misc_feature
88 <222> LOCATION: (30)..(30)
89 <223> OTHER INFORMATION: n = deoxyribouridine w/ fluorophore and replication blocker
92 <400> SEQUENCE: 3

W--> 93 cgacgatgt agcacatcag aagcgtgcgn

30

96 <210> SEQ ID NO: 4
97 <211> LENGTH: 18
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <221> NAME/KEY: misc_feature
103 <222> LOCATION: ()..()
104 <223> OTHER INFORMATION: B2731 Scorpion primer
107 <220> FEATURE:
108 <221> NAME/KEY: misc_feature
109 <222> LOCATION: (1)..()
110 <223> OTHER INFORMATION: fluorescein dye
113 <220> FEATURE:
114 <221> NAME/KEY: misc_feature
115 <222> LOCATION: (18)..(18)
116 <223> OTHER INFORMATION: n = deoxyuridine w/ fluorophore and replication blocker
119 <400> SEQUENCE: 4

W--> 120 aggtagtga gagagtgn

18

123 <210> SEQ ID NO: 5
124 <211> LENGTH: 31
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <221> NAME/KEY: misc_feature
130 <222> LOCATION: ()..()
131 <223> OTHER INFORMATION: B2731 Scorpion primer
134 <400> SEQUENCE: 5
135 gagcctcaac atcctgctcc cctcctacta c
138 <210> SEQ ID NO: 6
139 <211> LENGTH: 17

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RAW SEQUENCE LISTING

DATE: 04/24/2002

PATENT APPLICATION: US/09/974,870A

TIME: 14:16:08

Input Set : A:\1991-211.txt

Output Set: N:\CRF3\04242002\I974870A.raw

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140 <212> TYPE: DNA
141 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <221> NAME/KEY: misc_feature
145 <222> LOCATION: ()..()
146 <223> OTHER INFORMATION: B4249 Scorpion primer
149 <220> FEATURE:
150 <221> NAME/KEY: misc_feature
151 <222> LOCATION: (1)..(1)
152 <223> OTHER INFORMATION: fluoroscein dye
155 <220> FEATURE:
156 <221> NAME/KEY: misc_feature
157 <222> LOCATION: (17)..(17)
158 <223> OTHER INFORMATION: attached replication blocking hexethylene glycol monomer
161 <400> SEQUENCE: 6
162 aggtagtgc gagagtg 17
165 <210> SEQ ID NO: 7
166 <211> LENGTH: 19
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <221> NAME/KEY: misc_feature
172 <222> LOCATION: ()..()
173 <223> OTHER INFORMATION: Quencher oligonucleotide
176 <220> FEATURE:
177 <221> NAME/KEY: misc_feature
178 <222> LOCATION: (18)..(18) → n is not at position 18!
179 <223> OTHER INFORMATION: n = deoxyribouridine with attached non-fluorogenic
fluorophore
182 <400> SEQUENCE: 7
W--> 183 cactctcctg cactacctn 19
186 <210> SEQ ID NO: 8
187 <211> LENGTH: 28
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <221> NAME/KEY: misc_feature
193 <222> LOCATION: ()..()
194 <223> OTHER INFORMATION: ARMS primer R284-97
197 <400> SEQUENCE: 8
198 ttcggggctc cacacggcga ctctcaac 28
201 <210> SEQ ID NO: 9
202 <211> LENGTH: 28
203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <221> NAME/KEY: misc_feature
208 <222> LOCATION: ()..()
209 <223> OTHER INFORMATION: ARMS primer R283-97
212 <400> SEQUENCE: 9

```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/974,870A

DATE: 04/24/2002
TIME: 14:16:08

Input Set : A:\1991-211.txt
Output Set: N:\CRF3\04242002\I974870A.raw

213 ttcggggctc cacacggcga ctctcaag

28

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/974,870A

DATE: 04/24/2002
TIME: 14:16:09

Input Set : A:\1991-211.txt
Output Set: N:\CRF3\04242002\I974870A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 30
Seq#:3; N Pos. 30
Seq#:4; N Pos. 18
Seq#:7; N Pos. 19

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/974,870A

DATE: 04/24/2002

TIME: 14:16:09

Input Set : A:\1991-211.txt

Output Set: N:\CRF3\04242002\I974870A.raw

L:47 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:93 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0